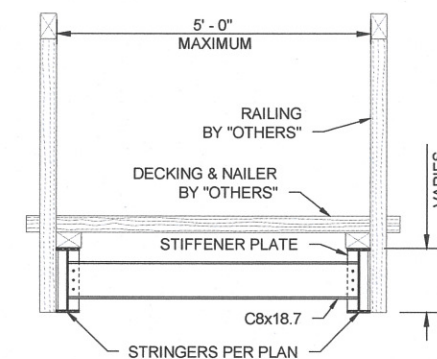


**ELEVATION VIEW**  
SCALE: NTS



**SECTION 1**  
SCALE: NTS

**TABLE 1 - STRINGER SIZE**

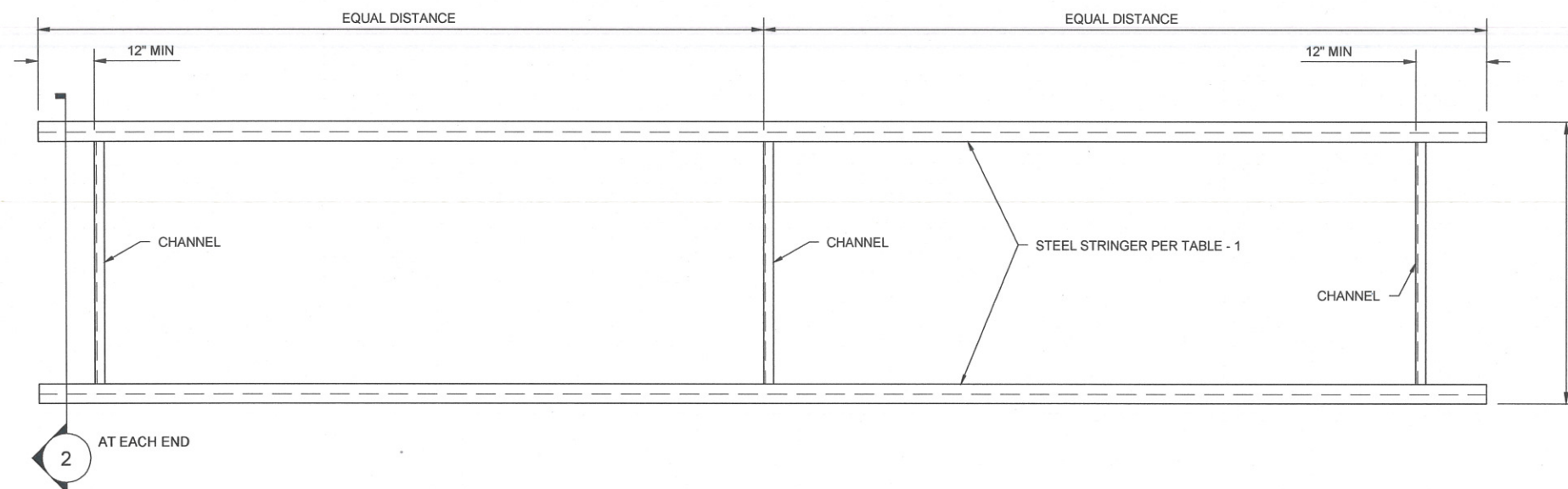
STRINGER SPAN (FEET)	WEATHERING STEEL ASTM 588-50
≤ 20	W 10 x 19
≤ 26	W 12 x 26
≤ 30	W 14 x 30

**GENERAL NOTES:**

- THESE PLANS ARE NOT RECOMMENDED FOR USE IN COASTAL REGIONS THAT ARE LESS THAN 2 MILES FROM COASTAL WATERS OR IN AREAS WITH HUMIDITY OR HIGH MOISTURE IN THE AIR.
- A MINIMUM FREEBOARD HEIGHT OF 8" CLEARANCE OVER WATER CROSSINGS TO AVOID DAMP CONDITIONS.
- STRUCTURAL STEEL: STEEL MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE GRADING RULES AGENCY FOR GRADES SPECIFIED BELOW:  
W SHAPES, PLATES AND CHANNELS  
- ASTM A588 GRADE 50,  $F_y = 50$  KSI  $F_u = 70$  KSI  
MACHINE BOLTS  
- ASTM A325 TYPE 3, WEATHERING STEEL
- BOLT HOLES TO BE  $\frac{1}{16}$ " OVERSIZE ROUND UNLESS NOTED OTHERWISE.
- WELDING PROCEDURE SHALL CONFORM TO AWS STANDARD E70 18 OR EQUIVALENT. ALL WELDS SHALL BE SHOP WELDED PRIOR TO DELIVERY.
- ABUTMENT DESIGN IS BY OTHERS.
- ALL WOOD MEMBERS AND FASTENERS ARE BY OTHERS.
- THE STATE'S REPRESENTATIVE TO COORDINATE WITH STEEL FABRICATOR ALL DIMENSIONS AND PREDRILLED HOLES PRIOR TO FABRICATION.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS.

**DESIGN CRITERIA:**

- CODE AND STANDARDS  
2013 CALIFORNIA BUILDING CODE (CBC)  
ASCE 7-10  
AISC 360-10, 314-10, 358-10
- VERTICAL LOADS  
LIVE LOAD = 100 PSF
- WIND LOAD  
BASIC WIND SPEED = 110 MPH (ULT)  
EXPOSURE CATEGORY: C



**PLAN VIEW**  
SCALE: NTS

(DECKING & RAILING NOT SHOWN FOR CLARITY)



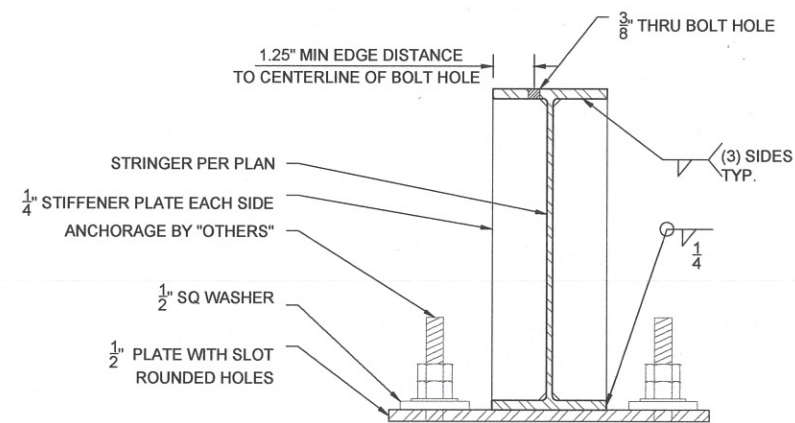
**PEDESTRIAN & EQUESTRIAN TRAIL BRIDGE  
WEATHERING STEEL STRINGER DESIGN**

MAXIMUM SPAN 30-FEET

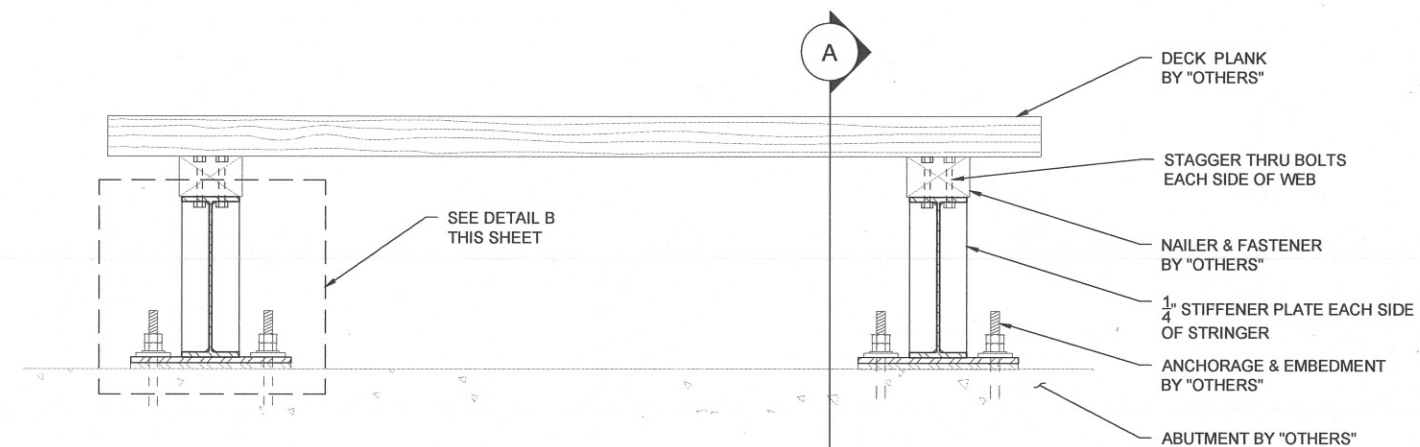
MAY, 2016

NOT TO SCALE

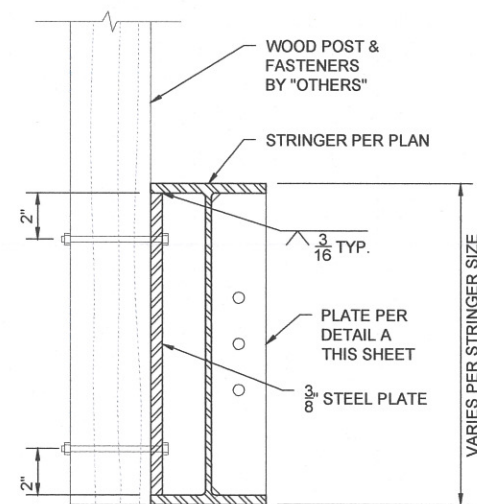
**1**  
1 OF 2



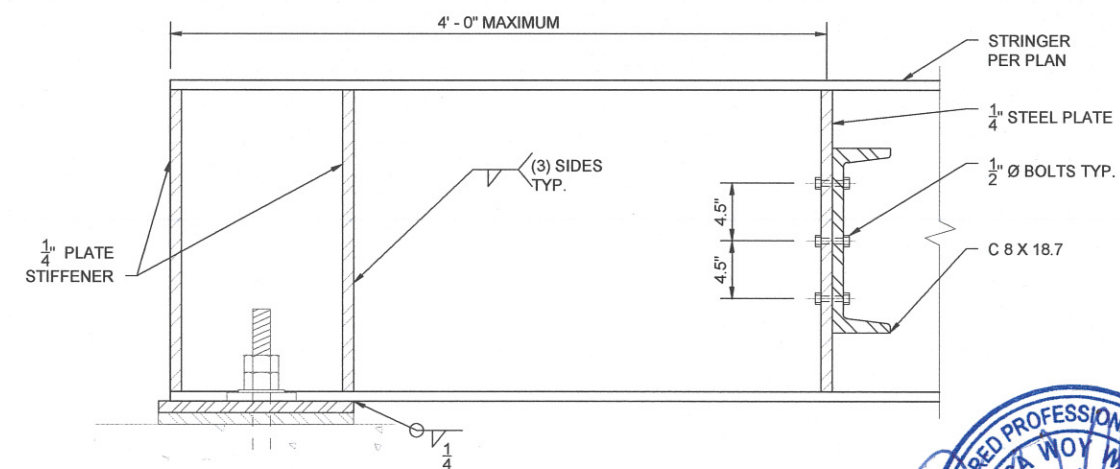
DETAIL B  
SCALE: NTS



SECTION 2  
SCALE: NTS



POST CONNECTION  
SCALE: NTS



DETAIL A  
SCALE: NTS



## PEDESTRIAN & EQUESTRIAN TRAIL BRIDGE WEATHERING STEEL STRINGER DESIGN

MAXIMUM SPAN 30-FEET

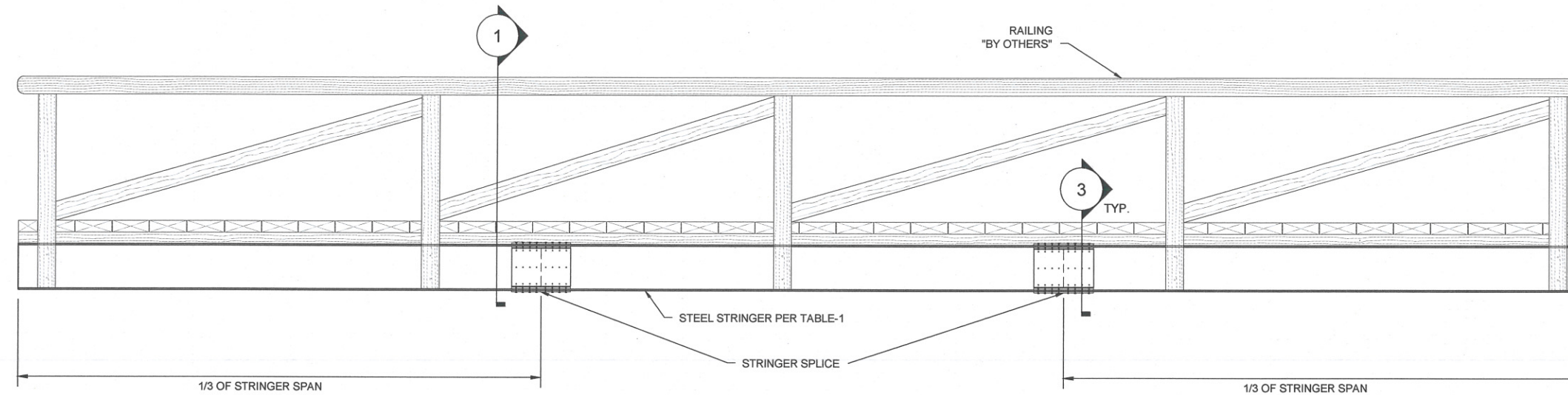
MAY, 2016

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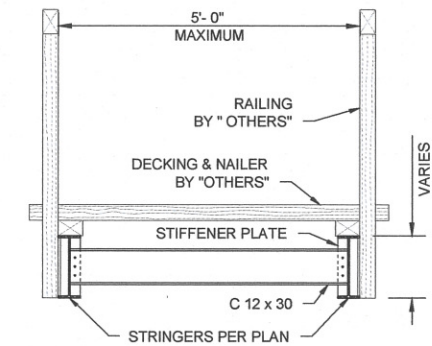
2

2 OF 2

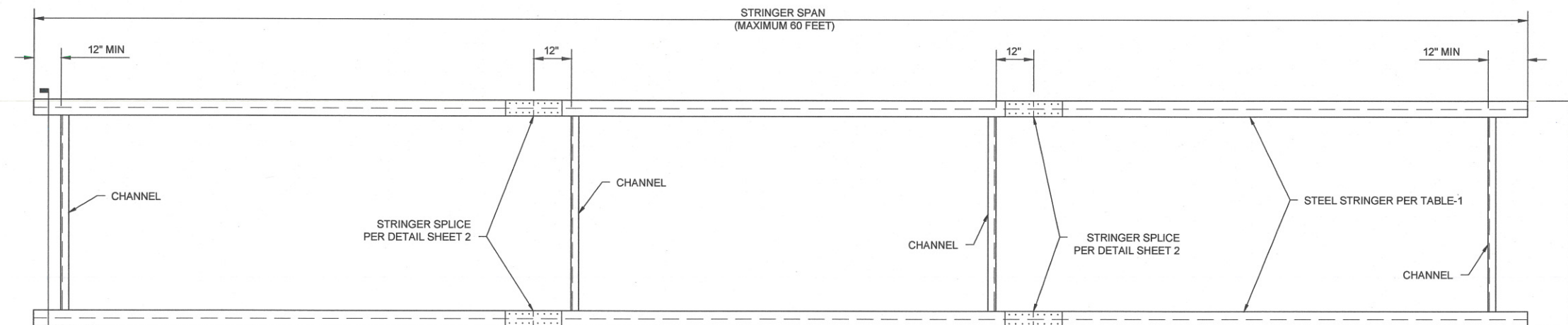




**ELEVATION VIEW**  
SCALE: NTS



**SECTION 1**  
SCALE: NTS



**PLAN VIEW**  
SCALE: NTS

(DECKING & RAILING NOT SHOWN FOR CLARITY)

**TABLE 1 - STRINGER SIZE**

STRINGER SPAN (FEET)	WEATHERING STEEL ASTM 588-50
≤ 40	W 18 x 40
≤ 50	W 21 x 57
≤ 60	W 27 x 84

**GENERAL NOTES:**

- THESE PLANS ARE NOT RECOMMENDED FOR USE IN COASTAL REGIONS THAT ARE LESS THAN 2 MILES FROM COASTAL WATERS OR IN AREAS WITH HUMIDITY OR HIGH MOISTURE IN THE AIR.
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**DESIGN CRITERIA:**

- CODE AND STANDARDS  
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AISC 360-10, 314-10, 358-10
- VERTICAL LOADS  
LIVE LOAD = 100 PSF
- WIND LOAD  
BASIC WIND SPEED = 110 MPH (ULT)  
EXPOSURE CATEGORY: C



**PEDESTRIAN & EQUESTRIAN TRAIL BRIDGE  
WEATHERING STEEL STRINGER DESIGN**

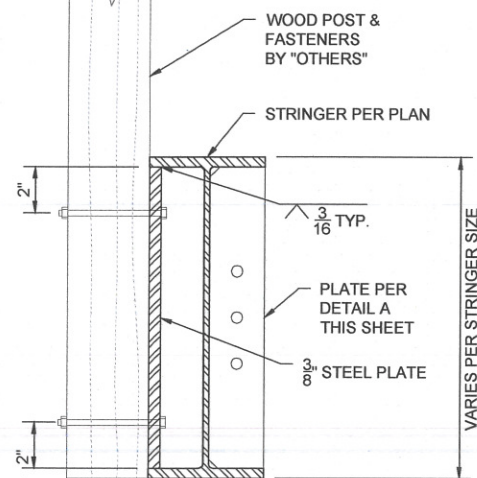
MAXIMUM SPAN 60-FEET

MAY, 2016

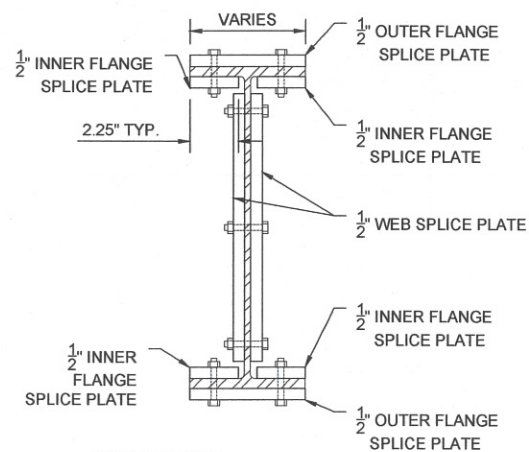
NOT TO SCALE

**1**  
1 OF 2

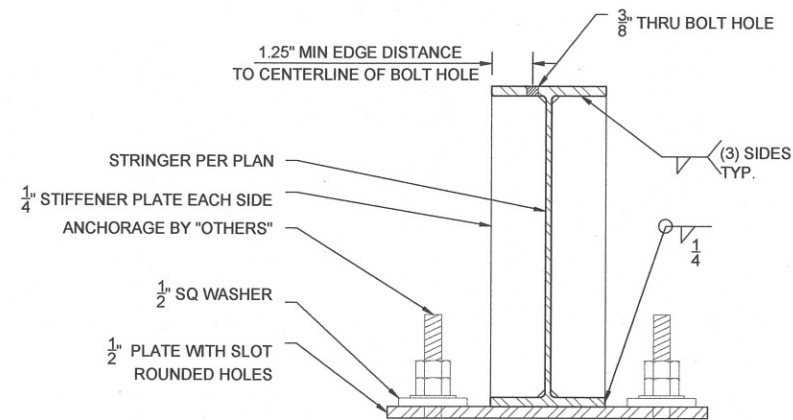




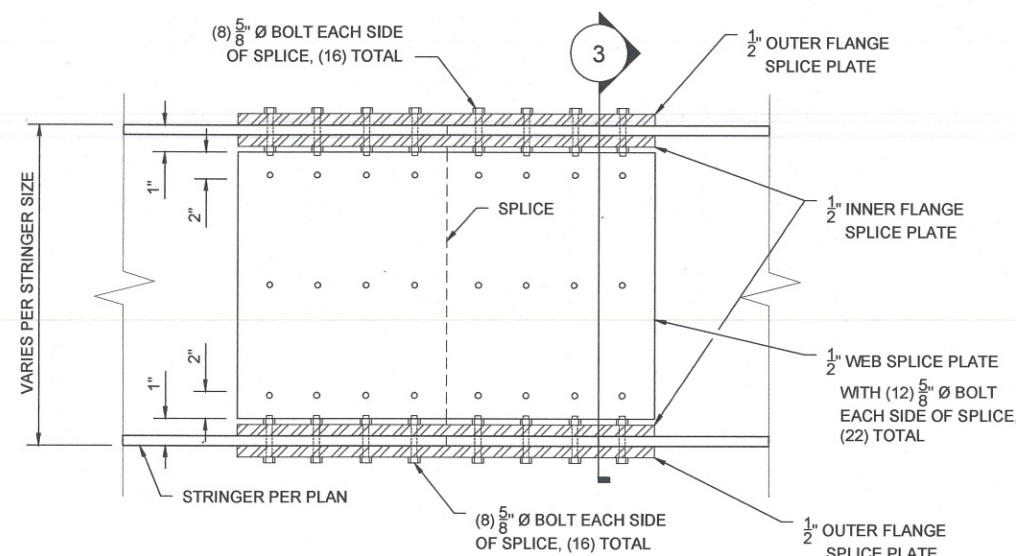
**POST CONNECTION**  
SCALE: NTS



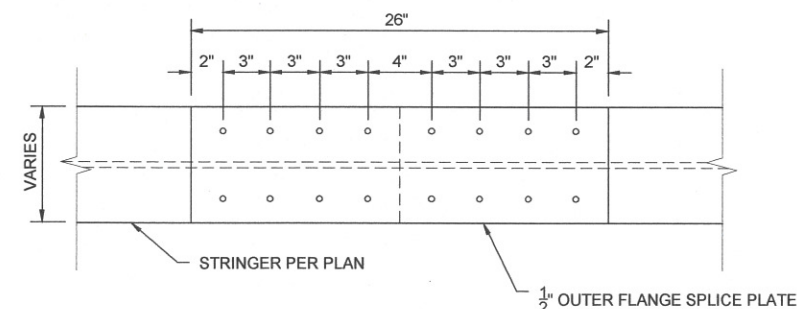
**SECTION 3**  
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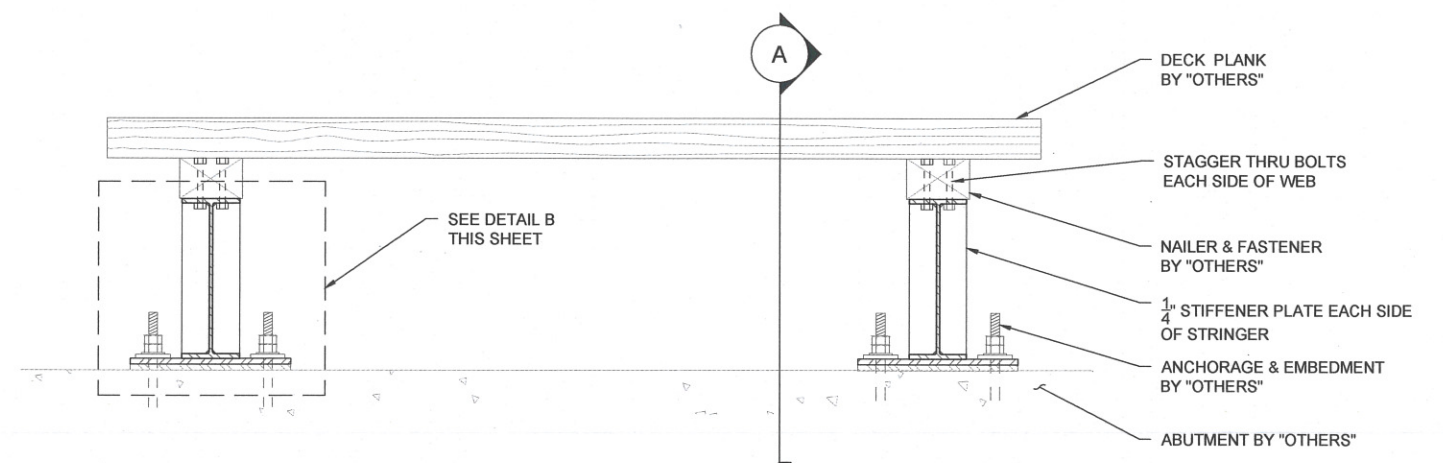
**DETAIL B**  
SCALE: NTS



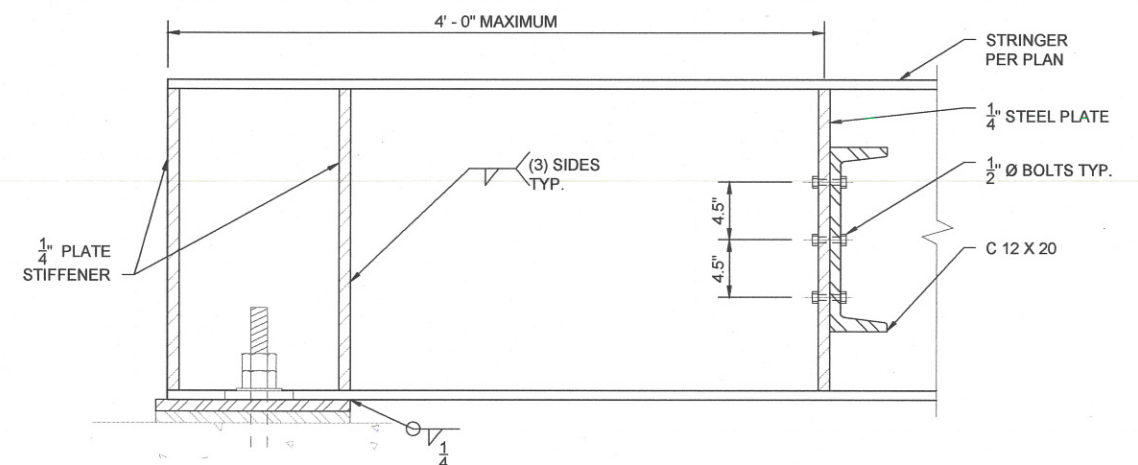
**BEAM SPLICE ELEVATION VIEW**  
SCALE: NTS



**BEAM SPLICE PLAN VIEW**  
SCALE: NTS



**SECTION 2**  
SCALE: NTS



**DETAIL A**  
SCALE: NTS



## PEDESTRIAN & EQUESTRIAN TRAIL BRIDGE WEATHERING STEEL STRINGER DESIGN

MAXIMUM SPAN 60-FEET

MAY, 2016

NOT TO SCALE

2

2 OF 2